

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04M1/60

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/064746 A1 (RADER R. SCOTT ET AL) 3 April 2003 (2003-04-03) paragraphs '0009! - '0012! paragraphs '0031! - '0038! paragraphs '0050! - '0054! paragraph '0066! figures 1-3	1-4, 10, 14, 15
X	US 5 099 514 A (ACREE ET AL) 24 March 1992 (1992-03-24) column 1, line 38 - column 2, line 57; figures 1,2	1, 2, 4, 8, 9, 13
X	US 5 058 155 A (LARSEN ET AL) 15 October 1991 (1991-10-15) column 2, line 58 - column 3, line 18; figures 1,2	1, 10-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the international search

12 May 2005

Date of mailing of the international search report

20/05/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 089 526 A (LUCENT TECHNOLOGIES INC) 4 April 2001 (2001-04-04) paragraphs '0009!, '0010! paragraph '0013! paragraphs '0016! - '0019! -----	1-3,8,9
X	WO 00/08876 A (ERICSSON, INC) 17 February 2000 (2000-02-17) pages 2,3 pages 6-9; figures 3,5,6 -----	1-3,8,9

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003064746	A1	03-04-2003	EP 1438874 A1	21-07-2004
			JP 2005504470 T	10-02-2005
			WO 03026349 A1	27-03-2003
US 5099514	A	24-03-1992	NONE	
US 5058155	A	15-10-1991	NONE	
EP 1089526	A	04-04-2001	CA 2316074 A1	28-02-2001
			EP 1089526 A2	04-04-2001
			JP 2001136593 A	18-05-2001
WO 0008876	A	17-02-2000	AU 5234299 A	28-02-2000
			WO 0008876 A2	17-02-2000